

# States of Matter

## Question Paper

Level	Edexcel
Subject	Chemistry
Exam Board	GCSE(9-1)
Topic	States of Matter and Mixtures
Sub Topic	States of Matter
Booklet	Question Paper

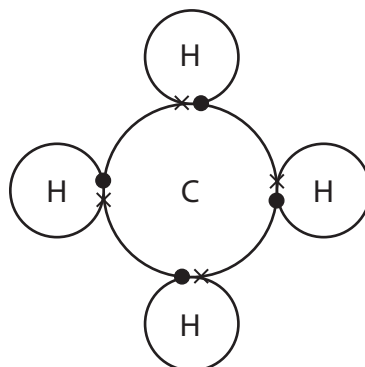
**Time Allowed:** 15 minutes

**Score:** /12

**Percentage:** /100

1 Many substances exist as molecules.

(a) The diagram shows the outer shell electrons in a molecule of methane, CH<sub>4</sub>.



(i) Each hydrogen atom is bonded to the carbon atom by a covalent bond.

Give the meaning of the term **covalent bond**.

(1)

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(ii) Complete the sentence by putting a cross (☒) in the box next to your answer.

Methane is a typical simple molecular, covalent compound.

A property of methane is that

(1)

- A it has a high melting point
- B it is a good conductor of electricity
- C there are weak bonds in its molecule
- D it has a low boiling point

